**REMARKS** 

Claims 1-10 are pending in the present application. By this Amendment, the specification

has been amended to correct a minor informality. It is respectfully submitted that this

Amendment is fully responsive to the Office Action dated March 2, 2006.

As to the Merits:

As to the merits of this case, the Examiner sets forth the following rejection:

claims 1-10 stand rejected under 35 USC 102(e) as being anticipated by Korhonen (U.S.

Patent No. 6,829,726).

This rejection is respectfully traversed.

In the Office Action, the Examiner indicates that the "signal receiving unit" of the present

invention corresponds to the "USB port 16" in FIG. 1 in Korhonen, but this is not correct.

The "USB port 16" in Korhonen is on the side of a PC, as shown in FIG. 1 of the present

invention, but not in the electronic device (USB device) as claimed in the claim 1 of the present

invention.

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It should be noted that FIG. 1 in Korhonen discloses a device for testing a USB port of a PC, but not a device corresponding to the USB device as claimed in the claim 1 of the present invention. Therefore, the correspondence relation between Korhonen and the present invention as

determined by the examiner is completely wrong.

For example, "signal receiving unit" is not disclosed at all in lines 6-10, col. 5 in

Korhonen, and "identification unit" is not disclosed at all in lines 11-14, col. 5 in Korhonen.

**Independent Claims 1 and 9:** 

Independent claim 1 calls for a signal receiving unit configured to receive signals from

the shield line; and an identification unit connected to the signal receiving unit and configured to

identify the received signals, wherein a self-test is performed based on results of the

identification.

Independent claim 9 calls for a testing device for transmitting test command signals to

an electronic device connected with the testing device by a serial bus including a signal line and

a shield line, said testing device transmitting the test command signals to the electronic device

through the shield line.

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It is respectfully submitted that Korhonen fails to disclose a signal receiving unit

configured to receive signals from a shield line, as called for in claim 1, or said testing device

transmitting the test command signals to the electronic device through the shield line, as called

for in claim 9, since Korhonen simply fails to even mention a shield line in its entire disclosure.

Independent Claims 5 and 10:

Independent claim 5 calls for a signal receiving unit configured to receive signals off a

standard for the serial bus from the signal line; and an identification unit connected to the signal

receiving unit and configured to identify the received signals, wherein a self-test is performed

based on results of the identification.

Independent claim 10 calls for a testing device for transmitting test command signals to an

electronic device connected with the testing device by a serial bus including a signal line, said

testing device transmitting signals off a standard of the serial bus as said test command signals

to the electronic device through the signal line.

That is, in the present invention signals off the USB standard are generated as the test

command signals. For example, as discussed on pages 16 and 17 of the present specification,

such kind of signals may include signals having voltages exceeding the serial bus standard,

signals different in transmission speed from the serial bus standard, and signals different in

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protocol from the serial bus standard. In the USB standard, transmission speeds are specified to be 12 Mbps, 15 Mbps, and 480Mbps for the low speed and full speed of the USB 1.1, and the high speed of the USB 2.0, respectively. Further, as the minimum unit of command signals and data signals, the format of a packet is defined in the USB standard. Further, as the modulation scheme, NRZI (Non Return to Zero Inverted) is used. In the present embodiment, signals deviating from the above specifications are used as the test command signals. For example, use can be made of signals including repeated data "1" in NRZ (Non Return to Zero) having a transmission speed of a few kbps to 10 kbps, or signals of a few bits.

In contrast, <u>Korhonen</u> is only concerned with using test command signals which are standard for the USB specification. See, steps S7, S8 and S11-14 of the flowchart in Fig. 2 of <u>Korhonen</u> and the corresponding disclosure in col. 6, lines 6-51 and col. 7, line 11 – col. 9, line 18.

As such, it is respectfully submitted that <u>Korhonen</u> fails to disclose or fairly suggest the features of claim 5 concerning a signal receiving unit configured to receive signals off a standard for the serial bus from the signal line; and an identification unit connected to the signal receiving unit and configured to identify the received signals, wherein a self-test is performed based on results of the identification, and the features of claim 10 concerning a testing device for transmitting test command signals to an electronic device connected with the testing device by a

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serial bus including a signal line, said testing device transmitting signals off a standard of the

serial bus as said test command signals to the electronic device through the signal line.

In view of the aforementioned remarks, Applicants submit that the claims are in condition

for allowance. Applicants request such action at an early date.

If the Examiner believes that this application is not now in condition for allowance, the

Examiner is requested to contact Applicants' undersigned attorney to arrange for an interview to

expedite the disposition of this case.

If this paper is not timely filed, Applicants respectfully petition for an appropriate

extension of time. The fees for such an extension or any other fees that may be due with respect

to this paper may be charged to Deposit Account No. 50-2866.

Respectfully submitted,

WESTERMAN, HAPTØRI, DANIELS & ADRIAN, LLP

Thomas E. Brown

Attorney for Applicants

Registration No. 44,450

Telephone: (202) 822-1100

Facsimile: (202) 822-1111

TEB/jl